IAP7 Rec'd PCT/PTO 26 JAN 2006 CT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Appl. No.

10/551,728

Applicant (s)

Saha et al.

Filed

October 3, 2005

TC/A.U.

unknown

Examiner

unknown

Title

IMPROVED POROUS MULLITE BODIES AND METHODS

OF FORMING THEM

Docket No.

61804A

Customer No.

00109

I HEREBY CERTIFY THAT THIS CORRESPONDENCEIS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL WITH SUFFICIENT POSTAGE IN AN ENVELOPE ADDRESSEDTO: COMMISSIONER OF PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON:

January <u>23</u> 2006

DATE OF DEPOSIT

Carol A. Axtell

PRINT OF TYPE NAME OF PERSON SIGNING CERTIFICATE

SIGNATURE OF PERSON SIGNING CERTIFICATE

DATE OF SIGNATURE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

## INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the Examiner's attention is directed to the information identified in the attached Form PTO/SB/08a.

The cited U.S. patents and patent application publications are listed on Form PTO/SB/08a. A copy of the cited foreign patent documents and non-patent literature are enclosed herewith. The Examiner is requested to review each reference and formulate his/her own understanding thereof.

Respectfully submitted

Kevin J. Nilsen

Registration No. 41,510 Phòne: 989-638-6505

P. O. Box 1967

Midland, MI 48641-1967

KJN/caa

'Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		Complete if Known			
INICODMATIC	NI DIGGI GOLIDE	Application Number	10/551,728		
	N DISCLOSURE	Filing Date	October 3, 2005		
STATEMENT BY APPLICANT (Use as many sheets as necessary)		First Named Inventor	Saha et al.		
		Art Unit	Not Assigned		
(Osc as many c	inects as necessary,	Examiner Name	Not Assigned		
Sheet 1	of 3	Attorney Docket Number	61804A		

Examiner	Cite	Document Number	Publication Date	NT DOCUMENTS  Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Initials*	No.1		(MM-DD-YYYY)	Cited Document	Passages or Relevant Figures Appear
1P		Number-Kind Code <sup>2</sup> (if known)			
O	2	US-6764742B2	07/20/04	Ichikawa et al.	
	40	US-5145806	09/08/92	Shirakawa et al.	
JAN 26		ŲS4910172	03/20/90	Talmy et al.	
	2000	\$\s4911902	03/27/90	Talmy et al.	
<b>2.</b>	46	US4948766	08/14/90	Talmy et al.	
HADE		US5098455	03/24/92	Doty et al.	
		US5194154	03/16/93	Moyer et al.	
****		US5198007	03/30/93	Moyer et al.	
		US5173349	12/22/92	Yavuz et al.	
		US5252272	10/12/93	Yavuz et al.	
-		US-5145806	09/08/92	Shirakawa et al.	
		US-5,294,576	03/15/94	Mizushima et al.	
		US-			
		US-			
		US-			
* .		US-			
		US-			
		US-			
		US-			***************************************

Examiner	Date	
Signature	Considered	

'Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application.

Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

PTO/SB/08A (08-03)

Approved for use through 7/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

01100	the rapernont reduction.	rior or rood, no persone are requi	to to recipenta to a concession of inner	THE CONTROL OF THE CONTROL THE	
Substitu	ubstitute for form 1449/PTO		Complete if Known		
1	INCORRATION	DISCLOSURE	Application Number	10/551,728	
•			Filing Date	October 3, 2005	
i	INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Y APPLICANT	First Names Inventor	Saha et al.	
	(Use as many shee	ets as necessary)	Art Unit	Not Assigned	
1		,,	Examiner Name	Not Assigned	
Sheet	2 of	3	Attorney Docket Number	61804A	

Examiner	Cite	Document Number	Publication	Name of Patentee or Applicant	Pages, Columns, Lines, Where	7
Initials*	No. <sup>1</sup>	Country Code <sup>3</sup> - Number-Kind Code <sup>5</sup> (# known)	Date (MM-DD- YYYY)	of Cited Document	Relevant Passages or Relevant Figures Appear	
		WO 03/082773	10/09/03	Saha et al.		
OVPE	4	JP 04193782	07/13/92	Mikio		TÈ
	NO.	· ·				1[
JAN 26	<del>1, 200</del> 9	1				+
PADEN		/ <del></del>				忙
PADEN						15
	-					╀
						╁
						1
						井
						╁┾
					, , , <del>, , , , , , , , , , , , , , , , </del>	╁
				•		
		· · · · · · · · · · · · · · · · · · ·				<u> </u>
		· · · · · · · · · · · · · · · · · · ·			<del></del>	╁╞
						#
						ŢĒ
Examiner	_			Date		

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). Form Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Aim of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Not Assigned

61804A

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT
(Use as many sheets as necessary)

Application Number

Information unless it contains a valid OMB control number.

Complete if Known

Application Number

Filing Date
October 3, 2005

First Named Inventor
Saha et al.

Art Unit
Not Assigned

**Examiner Name** 

Attorney Docket Number

61804A 3

Sheet 3

Signature

		NON PATENT LITERATURE DOCUMENTS	
Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т6
IAN 26	200 AP47	THE INSTITUTION OF ELECTRICAL ENGINEERS, STEVENAGE, GB; 200, HYUNHO SHIN ET AL: "Mullitization from a multicomponent oxide system in the temperature range 1200 'deg.!-1500 'deg.!C	
	W6 / /		
RADEMAR			
Examiner		Date	

This collection of information is required 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

Considered

<sup>&#</sup>x27;Examiner: Initial if reference considered, whether or not citation is in conformation with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (option). <sup>2</sup>Applicant is to place a check mark here in English language Translation is attached.